



5-1714

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re the application of: Tatsuya EKINAKA, et al.

Serial No. 09/890,326

Group: 1714

Filed: July 30, 2001

Examiner:

For: SURFACE-PROTECTED TRANSPARENT PLASTIC COMPOSITE

October 24, 2001

The Hon. Commissioner of Patents  
and Trademarks  
Washington, D.C. 20231

SUBMISSION OF INFORMATION DISCLOSURE STATEMENT

Sir:

In accordance with applicants' obligation to keep the United States Patent and Trademark Office informed of any information which may be deemed relevant to the examination of the subject application, applicants are herewith submitting the attached Form PTO-SB-08A listing references that are disclose at pages 2-3 of the specification of the subject application and listing references that were cited in the International Search Report together with a copy of each of the references.

JP-A-51-2736 (Corresponds to USP 3,936,997 and USP 4,027,073) - discloses an abrasion resistant coating for acrylic lenses comprising an acidic dispersion of colloidal silica and hydroxylated silsesquioxane in an alcohol-water medium.

JP-A-48-26822 (Engl. Abstr.) - discloses Siloxane coatings for transparent plastic plates prepared from tetra alkoxy-silane alkyltrialkoxysilane and sodium thiocyanate.

JP-A-48-278972 (Engl. Abstr.) - discloses a composition

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which can give a noncracking film excellent in heat resistance and adhesion, which is obtained by dissolving two specified silanols and colloidal silica in a lower apiphatic alcohol of a limited water content and hydrolyzing the silanols by adding an acid to the solution.

JP-A-1-306476 (Engl. Abstr.) - discloses a composition outstanding in adhesivity to substrates and resistance to scratch, hot water, light, acid, etc. The composition is used to prepare a coating film for application on e.g., plastic products. The coating film is prepared by incorporating silica fine granules in a partial condensate from specific trialkoxy silane and tetra-alkoxysilane.

JP-A-61-86259 (Corresponds to USP 4,708,908) - discloses an improved surface-hardening coating on a plastic body such as a plastic lens. The surface-hardening coating consists of a hard-coat layer of a polymer base composition and an underlying primer layer, which contains an ultraviolet absorber low in the bleeding tendency amounting to 0.5-50 wt% of the plastic component of the primer.

JP-A-59-109528 (Engl. Abstr.) - discloses an abrasion resistance polycarbonate resin molding obtained by applying a priming coat containing a specified copolymer to the surface of the polycarbonate resin molding, and then applying thereto a composition comprising an organopolysiloxane containing colloidal

silica.

JP-A-9-11405 (Engl. Abstr.) - discloses plastic moldings having high surface hardness and favorable durability obtained by laminating a first and a second layer formed of a mixture of a (partial) hydrolyzate of alkoxysilane with acrylic resins and a third layer formed of an organopolysiloxane resin.

WO 80/940 - discloses a coated polycarbonate article, and a process for producing said article, having improved abrasion and chemical solvent resistance comprising a polycarbonate substrate having deposited thereon (i) a primer layer comprised of a thermoplastic acrylic polymer; and (ii) a top coat containing a thermoset organopolysiloxane disposed on said primer layer.

JP-A-5-287095 (Engl. Abstr.) - discloses a plastic molding made of a polycarbonate coated with a primer comprising an aqueous acrylic emulsion as the main component, and then coated with a silicon-containing coating. The silicon-containing coating contains a partial Hydrolysis condensate of an alkyltrialkoxysilane.

Tarshiani et al. USP 5,385,955 - discloses a radiation-curable coating composition for ophthalmic lens, which comprises a mixture of a mono-epoxysilane, colloidal silica, an alkylalkoxysilane or tetraalkoxysilane, and an ultraviolet activated photoinitiator capable of initiating a cationic cure of such composition.

It is requested that the Examiner consider the Information Disclosure Statement and the cited references and enter them into the file with the application.

Respectfully submitted,

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